APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

Elastic Scattering of Polarized 4 Mev Neutrons by Medium and Heavy Nuclei, by O. V. Gorlov, N. S. Lebedeva, V. M. Morozov, 5 pp. RUSSIAN, rpt, IAE-1251, I. V. Kurchatov Atomic Energy Institute of the Lenin Order, Moscow, 1966. P911280767
AEC AML Tr-462

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Sci - Physics
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Breakup of Magnetic Surface in the S-1 Stellarator, by F. V. Karmanov. 4 pp. RUSSIAN, rpt, IAE-1260. AEC-MP-tr-1856

Sci-Phys
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APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

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Destruction of Wave Front of Straight Magneto-Acoustic Waves at Large Mach Numbers, by S. P. Zagorodnikov, G. E. Smolkin, G. V. Sholin, 16 pp. RUSSIAN, rpt, IAE-1263, Moscow, 1966, pp 1-20.
P911186067
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Sci - Physics
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APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

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Investigation of an Electrical Discharge Supported by a Lorentz Force, by A. F. Vitshas, V. S. Golubev, 26 pp.
RUSSIAN, rpt, Institut Atomnoy Energii Im. I. V. Kurchatova, IA-1328, 1967, pp 1-24.
AIR/FTD/HT-24-206-67

Sci-Phys
Nov 68

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APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

Parameters of Magnetohydrodynamic (MHD)-Generators Taking Into Account Ionization Instability of Plasma (Introduction), by V. A. Gurashvili, Yu. Karoyev, 20 pp.
RUSSIAN, rpt, Institut Atomnoy Energii Im I. V. Kurchatova, IAE-1348, 1967, pp 3-13.
P100172368
FTD-MT-24-205-67

Sci/Mat
Aug 68 364,814

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

Ion-Cyclotron Instability of a Plasma in an Adiabatic Trap with "Minimum-B", by U. T. Baiborodov & M. S. Ioffe.
RUSSIAN, rpt, Culham Laboratory, IAE-1331, Moscow, 1967, pp 1-28. P911083968-V
AEC NP-TR-1604

Sci/Phys
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APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

Investigation of Supersonic Radial Nozzles for MHD-Generators (Introduction), by B. A. Tikhonov, V. E. Shevchenko, 12 pp.
RUSSIAN, rpt., Institut Atomnoy Energii Im. I. V. Kurchatova, IAE-1347, 1967, pp 1-19.
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APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

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Flute Instability of a Curved Current-Carrying Plasma Column, by
V. D. Shafranov.
RUSSIAN, rpt, Kurchatov Report, IAE 1351,
Jan 1968, 32 pp.
NLL Ref: 9091.9F (CTO/500)

Sci-Phys
Jan 69

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Cascade Excitation of the Hydrogen Atom by Passage Through a Plasma Target, by D. P. Grechukin and E. I. Kurpushkina, 67 pp. RUSSIAN, rpt, IAE-1364, 1967.
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AEC UCRL-TRANS-10139
NLL Ref: 9091 9F(C70/466)

Sci-Physics
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APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

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A Magnesium Vapour Neutraliser, by V. I. Butusov, V. F. Zubarev. 21 pp.
RUSSIAN, rpt. IAE-1394, July 1967, pp 1-24.
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NLL Ref: 9091.9F (CTO/433)

Sci-Phys
Jul 68

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Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

Agency: AEC/Tenn.
P.O. Number: DR-69-36

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20 November 1969

Title: Hot Plasma Production During Injection of Clusters of Fast Atoms into Magnetic Traps

Author: Kartashev, B. B., Pistunovich, V. I., and Filimonova, E. A.

Source: Akademiya Nauk SSSR, Moscow. Institut Atomnoi Energii. Report No. IAE-1399 20 pp

Language - Russian

Special Instructions: Please translate and type 1 copy only.

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

Agency: AEC/Tenn. -9913--
P.O. Number: DR-69-37 20 November 1968

Title: Interaction Between Ion Flux and Target Plasma During Charge Exchange
Author: Kartashev, K. B., Fistunovich, V. I., and Filimonova, E. A.
Source: Akademiya Nauk SSSR, Moscow. Institut Atomnoi Energii. Report No. IAE-1400

Language - Russian 21pp

Special Instructions: Please translate and type 1 copy only.

NLL Rf: 9091.9F (CTO/507)

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

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X-Ray and Optical Measurements on Tokomak TM-3, by D. A. Shcheglov
RUSSIAN, Report IAE-1406, Moscow, July 1967, pp 1-12.
MLL Ref: 9091.9F (CTO/438)

Sci-Physics
July 68

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Electrical Conductivity of a Plasma in a Strong Magnetic Field, by B. B. Kadomtsev and O. P. Pogutse
RUSSIAN, Report IAE-1416 Moscow, July 1967, pp 1-19.
NSL Ref: 9091.9F (C70/428)
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Sci-Electronics
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APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

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Closed Spatially Periodic Magnetic Configuration with Minimum "B", by V. P. Glagolyev, 63 pp.
RUSSIAN, rpt, IAE 1451 P911278568-V
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Sci/Phy
Dec 68 352,976

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Closed Spatially Periodic Magnetic Configurations with Minimum "B", by V. M. Glagolev, 63 pp.
RUSSIAN, rpt, IAE-1454, August, 1968.
AEC-MATT-TRANS-58 p91127858-V

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APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

Anomalous Resistance of the Plasma in TM-3,
by G. A. Dobrovolskii
RUSSIAN, Report IAE-1408 Moscow, July 1967,
pp 1-11.
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Dynamics of Diatomic Crystals Vibration Spectrum of Bismuth, by Ye. G. Brovman, 47 pp.
RUSSIAN, rpt, IAE-1456, 1967
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APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

Agency: AEC/Tenn.
P.O. Number: DR-69-38 -9914 20 Nov. 1968

Title: INFLUENCE OF THE INTERELECTRODE DISTANCE ON THE STABILITY OF STRAIGHT PINCH IN A QUADRUPOLE HIGH-FREQUENCY FIELD

Author: Morozov, V. E. and Orlinskii, D. V.

Source: Akademiya Nauk SSSR, Moscow. Institut Atomnoi Energii. Report No. IAE-1486

Language - Russian 16pp

Special Instructions: Please translate and type 1 copy only.

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

Agency: AEC/IGM.
P.O. Number: DR-69-39 [illegible]
20 November 1968

Title: Particle Drift Motion in a System with Minimum B.
Author: Skosyrev, Yu. V. and Yurchenko, E. I.
Source: Akademiya Nauk SSSR, Moscow, Institut Atomnoi Energii. Report No. IAE-1488

Language - Russian 12pp

Special Instructions: Please translate and type 1 copy only.

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

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Gamma-Ray Spectra Following Thermal Neutron Capture by Neodymium Isotopes, by L. V. Groshev, V. N. Dvoretskiy, 13 pp.
RUSSIAN, rpt, I. V. Kurchatov Inst of Atomic Energy, IAE-1489.
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APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

AEC (MATT-Trans-84) DRIFT-BEAM INSTABILITY AND ION SOUND IN AN INHOMOGENEOUS PLASMA. Nezlin, M. V.; Taktakishvili, M. I.; Trubnikov, A. S. (Gosudarstvennyi Komitet po Ispol'zovaniyu Atomnoi Energii SSSR, Moscow. Institut Atomnoi Energii). Translated for Princeton Univ., N. J. from report IAE-1515. 36p. Dep. NTIS.

1 Oct 7

Physics (plasma); translations 201

MN-34 P NSA

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

AEC (MATT-Trans-83) ELECTRON-ION BEAM INSTABILITY. Nozlin, M. V.; Taktakishvili, M. I.; Trubnikov, A. S. (Gosudarstvennyi Komitet po Ispol'zovaniyu Atomnoi Energii SSSR, Moscow. Institut Atomnoi Energii). Translated for Princeton Univ., N. J. from report IAE-1516. 34p. Dep. NTIS.

physics (plasma); translations 201

MN-34 P NSA

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APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

Role of Electrons in the Formation of the Phonon Spectrum of Metals, by Yu. Kagan, Ye. G. Brovman, 51 pp.
RUSSIAN, rpt, IAE-1581, 1968.
AEC/LA-Tr-68-34

Sci/Phy
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APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

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Studies of Electron Heating Mechanism during Electron Beam Interactions with Plasma, by A. N. Karkhov, 31 pp.
RUSSIAN, rpt, IAE-1630, 1968, pp 1-20.
AEC-Tr-7055-69

Sci/Phy
Oct 69

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APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

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Lifetime of Charged Particles in a Tokamak T-3 Plasma, by Ye. I. Kuznetsov, 21 pp.
RUSSIAN, rpt, IAE-1636
AEC/MATT/Tr-80-69

393,492

Sci/Phy
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APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

(MATT-Trans-79) A STUDY OF THE EFFECT OF THE SHAPE AND MAGNITUDE OF THE DISCHARGE CURRENT PULSE ON PLASMA CONFINEMENT AND HEATING IN THE TOKAMAK-3. Mirnov, S. V. (Gosudarstvennyi Komitet po Ispol'zovaniyu Atomnoi Energii SSSR, Moscow. Institut Atomnoi Energii). Translated for Princeton Univ., N. J. from report IAE-1644. 42p. Dep. NTIS.

fusion devices (thermonuclear); translations 18A

MN-20 P NSA

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

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Plasma Energy Lifetime and Discharge Parameters in Tokamak-3, by Ye. P. Gorbunov, S. V. Mirnov.
RUSSIAN, rpt, IAE-1681, 27 pp.
AEC-NP-tr-1798

Sci-Phys
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APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

Automation of the Measurement of Reactivity, by
A. A. Voronin, V. V. Ostapenko, 18 pp.
RUSSIAN, rpt, Inst Atomnoi Energii, IAE-1689, 1968.
AEC/ANL-Tr-820-70

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APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

AEC- (LA-4399-TR) HIGH-FLUX STATIONARY RESEARCH REACTORS AND THEIR OUTLOOK. Feinberg, S. M. (Gosudarstvennyi Komitet po Ispol'zovaniyu Atomnoi Energii SSSR, Moscow. Institut Atomnoi Energii). Translated by Helen J. Dahlby (Los Alamos Scientific Lab., N. Mex.), from report IAE-1693. 10p. Dep. NTIS.

reactors--research; translations 18M

STD-80 P NSA

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

Agency: AEC/Tenn. R-1136-D
P.O. Number: DTIE70-39 16 March 1970

Title: Nekotorye Voprosy Effektivnosti Proizvodstva Elektroenergii v MGD-Generatorakh na Neravnovesnoi Plazme.

Author: V. V. Kreev, et al.

Source: Kurchatov Atomic Energy Institute, Moscow, 1969. IAE-1701.

Language: Russian

Special Instructions: Translate and type one copy of abstract ~~page~~ preceding report.

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

Agency: AEC/Tenn. R-10477-E
P.O. Number: DTI-70-18 3 MAY 69

Title: The Harmonic Focusing Effect

Author: I. V. L'tovskii

Source: Ordena Lenina, Institut Atomnoi Energii, Moscow, 1968. Report IAE-1772.

Language: Russian (+ Abstract)

Special Instructions: Translate into English the Russian abstract preceding each report.

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

Agency: AEC/Tenn.
P.O. Number: DTI-70-18

Title: The Comparative Effectiveness of Different Evaluations in the Monte-Carlo Method.

Authors: L.V. Maiorov and A.D. Frank-Kamenetskii

Source: Ordena Lenina, Institut Atomnio Energii, Moscow. Report IAE-1791. 1969.

Language: Russian

Special Instructions: Translate and type the Russian abstract preceding each report.

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

Agency: AEC/Tenn. R-11271-D
P.O. Number: DTI-70-36 2 Feb. 70

Title: A Selection of Equations of Thermodynamic Properties and the Coefficients of Transfer of Water and Water Vapor for Machine Thermo-hydraulic Calculations

Authors: R.O. Isaakyan, E.M. Kudryavtseva

Source: Report IAE-1801. Kurchatov Atomic Energy Institute, Moscow, 1969.

Language: Russian

Special Instructions: Please translate and type one copy of abstract only. preceding report.

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

Agency: AEC/Tenn.
P.O. Number: DTI-70-18

Title: An Analysis of Fission by Neutrons Th^{232} Near the Threshold.

Author: P. E. Vorotnikov

Source: Ordena Lenina, Institut Atomnio Energii Moscow. Report IAE-1806. 1969

Language: Russian

Special Instructions: Translate and type the RUSSIAN abstract preceding each report.

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

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VI

Agency: AEC/Tenn.
P.O. Number: DTI-70-18

Title: A Thermionic Source on a Base of Lithium Glass.

Authors: A. I. Gurevich, et al.

Source: Ordena Lenina, Institut Atomnio Energii, Moscow. Report IAE-1810. 1969.

Language: Russian

Special Instructions: Translate and type the Russian abstract preceding each report.

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

Agency: AEC/Tenn,
P.O. Number: DTI-70-18

Title: Concerning the Number of Channels of Division and the Interpretation of the Energetic Dependence of the Probability of the (d,pf)-Reaction

Author: P. E. Vorotnikov

Source: Ordena Lenina, Institut Atomnio Energii, Moscow. Report IAE-1819. 1969.

Language: Russian

Special Instructions: Translate and type the Russian abstract preceding each report.

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

Agency: AEC/Tenn.
P.O. Number: DTI-70-37

Title: Concerning the Electrical Rupture of Conductors

Authors: V.K. Fedorov, P.A. Cheremnykh

Source: Kurchatov Atomic Energy Institute, Moscow, 1969. Report IAE-1829

Language: Russian

Special Instructions: Please translate and type one copy of abstract only.

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

Agency: AEC/Tenn.
P.O. Number: DTI-70-36

Title: Sublimation of Americium Tetrafluoride

Authors: E.G. Chudinov, D. Ya. Choporov

Source: Report IAE-1831. Kurchatov Atomic Energy Institute, Moscow, 1969.

Language: Russian

Special Instructions: Please translate and type one copy of abstract only.

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

Agency: AEC/Tenn.
P.O. Number: DTI-70-36

Title: A Theoretical Model of the Fouling Process in the Cores of Reactors with Organic Coolants

Authors: Yu. N. Aleksenko, et al.

Source: Report IAE-1833. Kurchatov Atomic Energy Institute, Moscow, 1969.

Language: Russian

Special Instructions: Please translate and type one copy of abstract only.

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

Agency: AEC/Tenn. R-11288-D
P.O. Number: DTI-70-37 3 Feb. 1970

Title: Long-Wave Phonons in Metal

Authors: E.G. Brovman, Yu. Kagan

Source: Kurchatov Atomic Energy Institute, Moscow, 1969. Report IAE-1846

Language: Russian

Special Instructions: Please translate and type one copy of abstract only.

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

Agency: AEC/Tenn.
P.O. Number: DTI-70-37

Title: A Method of Calculating the Energy Spectrum of the Low-lying States of Spherical Nuclei

Authors: E.E. Sapershtein, V.A. Khodel'

Source: Kurchatov Atomic Energy Institute, Moscow, 1969. Report IAE-1855.

Language: Russian

Special Instructions: Please translate and type one copy of abstract only.

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

R-11398-D

Agency: AEC/Tenn.
P.O. Number: DTI-70-39

Title: Monopol' Dirака

Author: L. M. Barkov, et al.

Source: Kurchatov Atomic Energy Institute, Moscow, 1969. IAE-1856.

Language: Russian

Special Instructions: Translate and type one copy of abstract preceding report.

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

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Instability of Charged-Particle Beams in Plasma,
by E. V. Nezlin, 87 pp.
RUSSIAN, preprint, Kurchatov Institute of
Atomic Energy, IAE-1882, 1969.
AEC/UCRL-Tr-10437-69

Sci/Phy
Apr 70

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APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

Design of the Isochronous Cyclotron Laboratory of the I. V. Kurchatov Institute of Atomic Energy, by N. I. Venikov. 13 pp.
RUSSIAN, rpt, IAE-1888.
AEC-LA-tr-69-23

Sci-Phys
Oct 70

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

Search for Three-Vector Correlations in Decay of Polarized Neutrons, by B. G. Yerozolimskiy, L. N. Bondarenko, 18 pp.
RUSSIAN, rpt, Institut Atomnoi Energii, IAE-1891, 1969.
AEC-Tr-7156

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Dec 70

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

Agency: AEC/Tenn.
P.O. Number: DTI-71-3

Title: A System of Monochromatization of the External Beam of the 2.4-Meter Isochronous Cyclotron of the Kurchatov Atomic Energy Institute.

Authors: Yu. G. Basargin, et al.

Source: Kurchatov Atomic Energy Institute, Moscow, 1969. Report IAE-1898.

Language: Russian

Special Instructions: Please translate and type the abstract preceding the report.

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

Agency: AEC/Tenn.
P.O. Number: DTI-71-3

Title: The Effect of Cation Salt out on the Division of Trivalent Actinide Elements.

Authors: E. G. Chudinov and S. V. Pirozhkov.

Source: Kurchatov Atomic Energy Institute, Moscow, 1969. Report IAE-1904.

Language: Russian

Special Instructions: Please translate and type the abstract preceding the report.

APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

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Ion Cyclotron Instability in a Nonuniform Magnetic Field, by A. V. Timofeyev, 69 pp. RUSSIAN, rpt, IAE-1939, Kurchatov Institute of Atomic Energy, 1969.
AEC/UCRL-Tr-10482-70

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AEC-4(UCRL-Trans-10497) 5CHARGE-EXCHANGE EXPERIMENT WITH A FAST PLASMA BUNCH IN THE I.N.E.S. INSTALLATION. 6Zamaraushkin, L. V.; Kartashev, K. B.; Platonovich, V. I.; Platonov, V. V.; Filimonova, E. A. 7(Akademiya Nauk SSSR Moscow. Institut Atomnoi Energii). 810Translated by T. Watt for Univ. of California, Lawrence Radiation Lab., Livermore, from report 11IAE-1951. 151720 66p. 24Dep. NTIS.

1960

26fusion devices (thermonuclear); physics (plasma); translations
27 18A, 20I

28MN-20 29P NSA

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[1]TID- [4](CTO-746) [5]FAST HYDROGEN ATOM INJECTOR, [6]Kulygin, V. M.; Panasenkov, A. A.; Sveshnikov, A. G.; Semashko, N. N. [7](Institut Atomnoi Energii, Moscow (USSR)). [8][10]Translated by J. B. Sykes (U.K.A.E.A., Culham Lab., Abingdon, Eng.), from report [11]IAE-1952. [20]33p. [24]Dep. NTIS (U. S. Sales Only).

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[26]fusion devices (thermonuclear); physics (plasma); translations

[27]18A, 20I

[28]MN-20 [29]NP NSA

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[1](KAPL-Trans-4) [2]NEUTRON THERMALIZATION IN H_2O AT 318°K AND 77°K. [3]Ishmaev, S. N.; Sadikov, I. P.; Chernyshov, A. A. [7](Gosudarstvennyi Komitet po Ispol'zovaniyu Atomnoi Energii SSSR, Moscow. Institut Atomnoi Energii). [10] Translated by R. E. Slovacek (Knolls Atomic Power Lab., Schenectady, N. Y.), from report [11]IAE-1954. [20]29p. [24]Dep. NTIS.

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[26]physics (nuclear); translations [27]20H

[28]MN-34 [29]P NSA

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Scattering of Neutrons with an Energy of 4 MeV at Angles Close to 180°, by V. M. Morozov, 5 pp.
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AEC/AEL-Tr-855-70

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Radiation-Thermal Decomposition of Highly Fluorinated Liquid and Polyfluoroalkanes, by I. V. Kurchatov, V. A. [illegible]

RUSSIAN, tpt, I. V. Kurchatov Atomic Energy Institute, IAE-1977, Moscow, 1970.

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[4](ORNL-tr-2432) [5]COLLECTIVE DECELERATION OF A BEAM OF ENERGETIC RELATIVISTIC ELECTRONS IN A DENSE PLASMA TARGET. [6]Rudakov, L. I. [7](Gosudarstvennyi Komitet po Ispol'zovaniyu Atomnoi Energii SSSR, Moscow. Institut Atomnoi Energii). [10]Translated for Oak Ridge National Lab., Tenn., from report [11]IAE-2004. [20]27p. [24]Dep. NTIS (U. S. Sales Only).

[26]Physics (plasma); translations [27]201

[28]MN-34 [29]P NSA

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AEC- [4](LA-tr-70-25) [5]INVESTIGATION OF FINE STRUCTURE OF A PLASMA FOCUS USING THE METHOD OF A MULTIPERFORATED PINHOLE CAMERA. [6]Agafonov, V. I.; Moiseeva, M. P.; Filippova, T. I.; Filippova, N. V. [7](Gosudarstvennyi Komitet po Ispol'zovaniyu Atomnoi Energii SSSR, Moscow. Institut Atomnoi Energii). [10]Translated by Helen Dahlby (Los Alamos Scientific Lab., N. Mex.), from report [11]IAE-2015. [20]9p. [24]Dep. NTIS.

[26]fusion devices (thermonuclear); physics (plasma); translations
[27]18A, 20I

[28]MN-20 [29]P NSA

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AEC. (LA-tr-71-6) PASSIVE DIAGNOSTICS OF A PLASMA FOCUS USING CHARGED PRODUCTS OF THE dd-REACTION. Bollaeva, I. F.; Vikhrov, V. V.; Ivanov, V. D.; Filippov, N. V. Translated by Helen Dahlby (Los Alamos Scientific Lab., N. Mex.), from report IAE-2016. 14p. Dep. NTIS.

Physics (plasma); translations 101

MN-34 P NSA

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AEC (SC-T-70-4046) RESEARCH ON STUDYING AND INCREASING THE PLASMA PARAMETERS ON "NON-CYLINDRICAL Z-PINCH" EQUIPMENT. Agafonov, V. I.; Belyaeva, I. F.; Vikhrev, V. V.; Ivanov, V. D.; Moiseeva, M. P.; Svirskii, E. B.; Filippov, N. V.; Filippova, T. I. (Akademiya Nauk SSSR, Moscow. Institut Atomnoi Energii). Translated by Fredric D. Killebrew (Sandia Labs., Albuquerque, N. Mex.), from report IAE-2017. 32p. Dep. NTIS.

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MN-20 P NSA

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[illegible] (ORNL-tr-2453) STUDY OF THE SPONTANEOUS FISSION OF ^{252}Cf. Zakharova, V. P.; Korostylev, V. A.; Ryazanov, D. K. (Gosudarstvennyi Komitet po Ispol'zovaniyu Atomnoi Energii SSSR, Moscow. Institut Atomnoi Energii). Translated by S. J. Rimshaw and R. G. Mansfield (Oak Ridge National Lab., Tenn.), from report IAE-2036, [illegible]p. Dep. NTIS.

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(MATT-Trans-104) NUMERICAL CALCULATION OF THE MAGNETIC FIELD CONFIGURATION IN A TOKAMAK. Bazhanova, A. E.; Shafranov, V. D. (Institut Atomnoi Energii, Mosoow (USSR)). Translated for Plasma Physics Lab., Princeton Univ., N. J., from report IAE-2046. 45p. Dep. NTIS.

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[illegible] 4(MATT-Trans-106) 5MEASUREMENT OF THE DIFFUSION LIFETIME OF THE PLASMA IN THE TOKAMAK-3 MACHINE BY THE INJECTION OF NEUTRAL HYDROGEN. 6 Gorbunov, E. P.; Mirnov, S. V.; Parfenov, D. S. 7(Institut Atomnoi Energii, Moscow (USSR)). 10Translation of report 11IAE-2064. 20 26p. 22 24 Dep. NTIS.

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26 Physics (plasma); translations 27 201

28 MN-34 29 P NSA

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[26]physics; translations [27]20

[28]MN-34 [29]P NSA

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4(ORNL-tr-2495) 5DEVELOPMENT OF UNSTABLE CYCLOTRON OSCILLATIONS IN AN INHOMOGENEOUS MAGNETIC FIELD. 6Timofeev, A. V. 7(Institut Atomnoi Energii, Moscow (USSR)). 10Translated for Oak Ridge National Lab., Tenn., from report 11IAE-2089. 2029p. 24Dep. NTIS.

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26physics (plasma); translations 27201

28MN-34 29P NSA

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70-13515-2011

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REAL PART OF THE FORWARD SCATTERING AMPLITUDE OF CHARGED PARTICLES. USSR. Gosudarstvennyi Komitet po Ispolzovaniyu Atomnoi Energii. Institut Teoreticheskoi i Eksperimentalnoi Fiziki, Report ITEP-P-316. ANL-TRANS-217.

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AEC LA Tr- 65-32

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Itep Proton Synchrotron Injector, by Yu. Ya. Lapitskiy, V. S. Khoroshkov, K. K. Onosovskiy, 11 pp.
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AEC-Tr-2608

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The Efficiency of Multiturn Injection, by
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RUSSIAN, mpt, USSR, Gosudarstvennyy Komitet
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NTC-71-11297-203

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[illegible] (BNL-tr-377) EFFICIENCY OF MULTITURN INJECTION. Plotnikov, V. K. (Gosudarstvennyi Komitet po Ispol'zovaniyu Atomnoi Energii SSSR, Moscow. Institut Teoreticheskoi i Eksperimental'noi Fiziki). Translated by S. J. Amoretty (Brookhaven National Lab., Upton, N. Y.), from report ITEF-739. 30p. Dep. NTIS.

particle accelerators; translations 20G

MN-28 P NSA

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[26]physics (particle); translations [27]20H

[28]MN-34 [29]NP NSA

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APPROVED FOR RELEASE: Tuesday, May 21, 2002 CIA-RDP84-00581R000100030050-9

[illegible] (UCRL-Trans 1451) COUPLING RESONANCES OF THE TRANSVERSE OSCILLATIONS OF TWO CIRCULAR BEAMS. Zenkevich, P. H.; Koshkarev, D. G. (Gosudarstvennyi Komitet po Ispol'zovaniyu Atomnoi Energii SSSR, Moscow. Institut Teoreticheskoi i Eksperimental'noi Fiziki). Translated by F. D. Jones for Univ. of California, Lawrence Radiation Laboratory, Berkeley, Calif., from report ITEF-841. 1960 33p. Dep. NTIS.

particle accelerators; translations 20G

MN-28 P NSA

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NTC 72-14052-20H

(CERN-Trans-71-43) STUDY OF THE REACTION $\pi^- + p \rightarrow n + \pi^0 + \pi^-$ AT AN INITIAL π^--MESON MOMENTUM OF 40 GeV. Proposed Experiment. Barkov, B. P.; Vladimirskii, V. V.; Katinov, Yu. V.; Sutormin, A. I. (Gosudarstvennyi Komitet po Ispol'zovaniyu Atomnoi Energii SSSR, Moscow. Institut Teoreticheskoi i Eksperimental'noi Fiziki). Translated by R. Luther (CERN, Geneva, Switzerland), from report ITEF-859. 20p. Dep. NTIS (U. S. Sales Only).

physics (particle); translations 20H

MN-34 NP NSA

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[illegible] (SLAC-Trans-140) MEMORY TIME AND SPARK DISPLACEMENT IN NARROW-GAP SPARK CHAMBERS IN A MAGNETIC FIELD. Radkovich, I. A.; Dukhovskoi, I. A. (Gosudarstvennyi Komitet po Ispol'zovaniyu Atomnoi Energii SSSR, Moscow. Institut Teoreticheskoi i Eksperimental'noi Fiziki). Translated for Stanford Linear Accelerator Center, Calif., from report ITEF-884. 15p. Dep. NTIS.

Instrumentation; translations 18D

MN-37 P NSA

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(CERN-Trans-71-41) INVESTIGATION OF REACTIONS AT A MOMENTUM OF 2.94 GeV/c. Barmin, V. V.; Golubchikov, V. M.; Davidenko, G. V.; (and others) (Gosudarstvennyi Komitet po Ispol'zovaniyu Atomnoi Energii SSSR, Moscow. Institut Teoreticheskoi i Eksperimental'noi Fiziki). Translated by B. Hodge (CERN, Geneva, Switzerland), from report ITEF-886. 14p. Dep. NTIS (U. S. Sales Only).

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MN-34 NP NSA

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Agency: AEC/Tenn.
P.O. Number: DTI-70-37

Title: A Dual Iron-Free -Spectrometer of Concurrences of the Type "Apel'sin"

Authors: Yu. N. Rakivnenko, et al.

Source: Physico-Technical Institute of the Academy of Sciences, Ukrainian SSR, Khar'kov, 1969. Report KHFTI-69-5

Language: Russian

Special Instructions: Please translate and type one copy of abstract only.

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AIR/FTD/HT-23-571-67

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Staff Personnel Bonuses Under New Reform, 7 pp.
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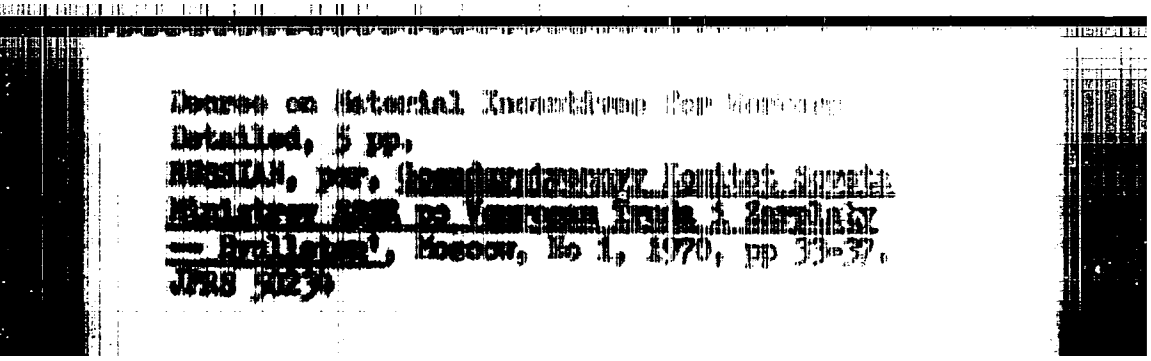

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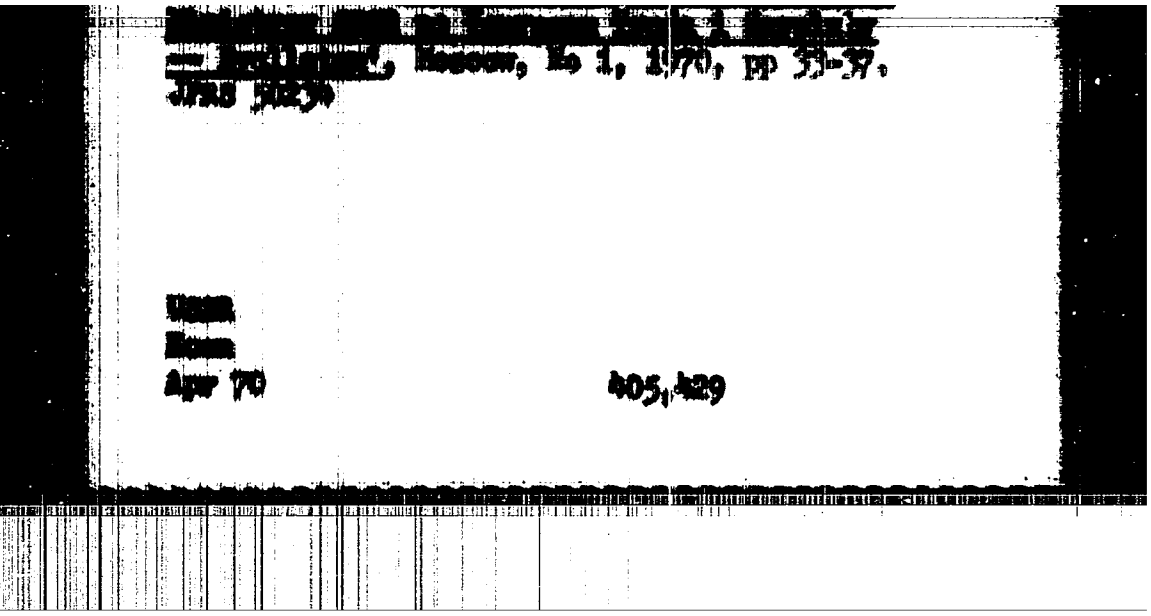

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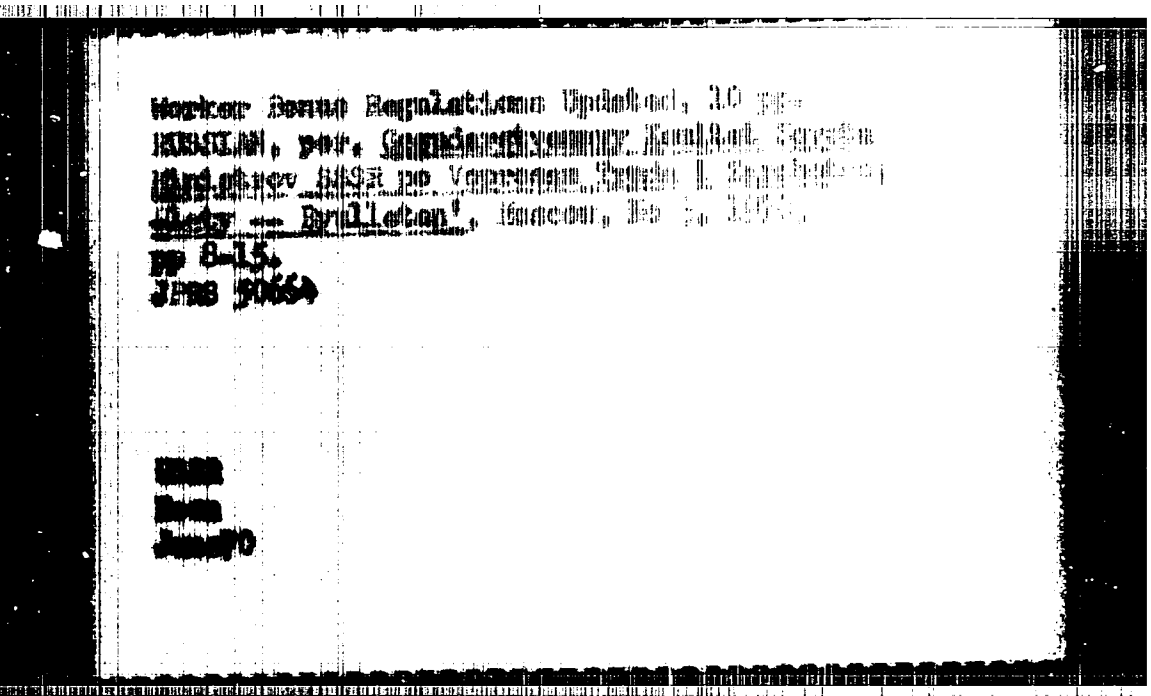

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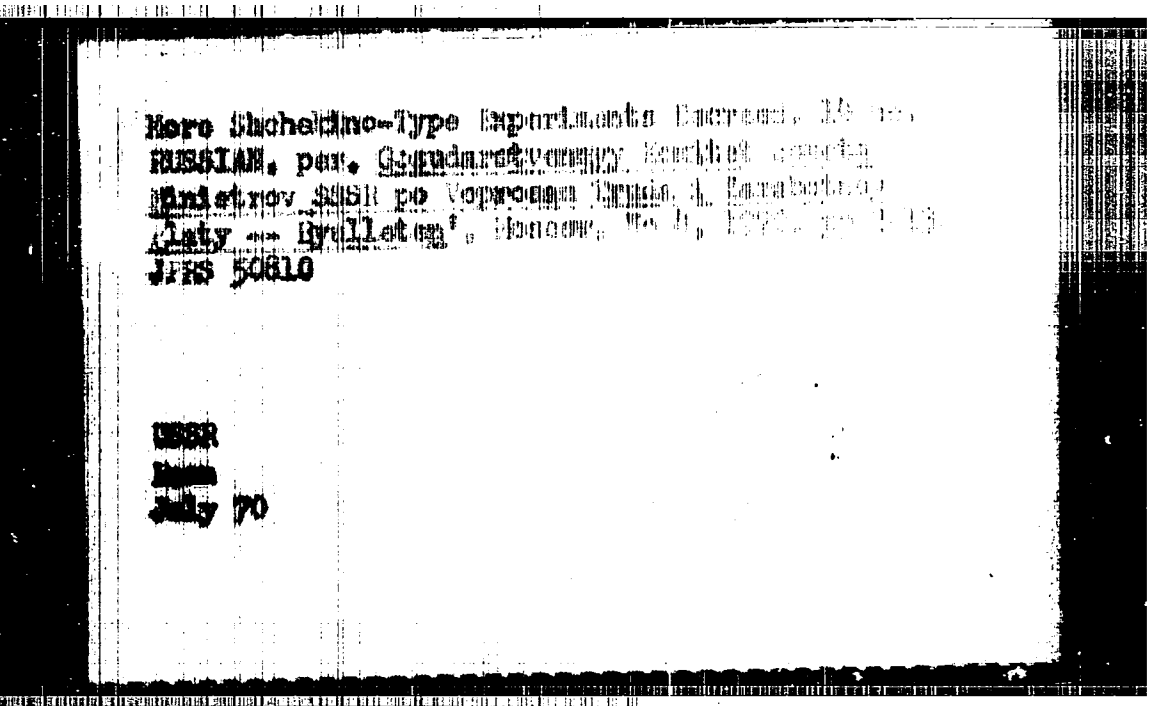

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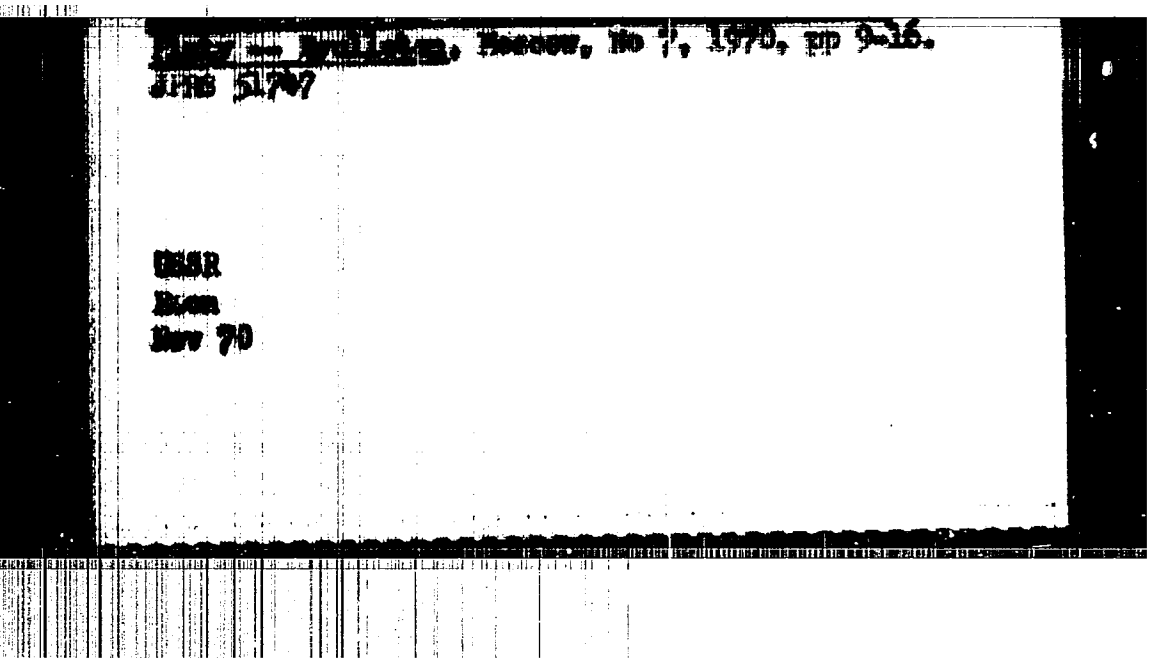

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